

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **55121024 A**

(43) Date of publication of application: 17.09.80

(51) Int. Cl.

B29C 27/08

// F16B 5/08

F16B 11/00

(21) Application number: **54027309**

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(22) Date of filing: **09.03.79**

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(54) **WELD PIN ADHERED RESULTING FROM
ROTATION FRICTION AND METHOD OF
ADHERING IT**

tool 9 and for providing a rotary movement of the pin 15.

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(57) Abstract:

PURPOSE: To perform a reliable and inexpensive adhesion of a pin, by a method wherein a thermoplastic resin made weld pin having a drum portion, which is a bit larger than a pin hole, and having a plurality of projecting-ports provided on a surface thereof is inserted into the pin hole as it rotates at a high speed, and is melting-welded thereat.

CONSTITUTION: A thermoplastic resin made weld pin 15 has a drum portion, which is a bit larger than a pin hole 7 whereinto the pin is inserted, and has a plurality of projecting portions 1 provided on a surface thereof. The weld pin is inserted into holes 7 and 10 by means of a rotating 9, such as an air impact driver, as it is rotated at a high speed, the said holes 7 and 9 being bored in a base part 6 and an auxiliary part 5 which are superposed on each other. The weld pin 15 and the base part 6 are melting-welded together resulting from the friction heat produced thereupon. A head 3 of the weld pin 15 can be formed in a concave portion or a convex portion so that it is suitable for being fitted in the

